

What is claimed is:

1. A method for measuring a water absorption of a porous cell structure as a standard for setting conditions for carrying a catalyst component, the method comprising  
5 the steps of:

regarding an amount of a particulate material sticking to the surface of a partition wall constituting a cell of the porous cell structure and the surface of a pore in the partition wall as the water absorption of the porous  
10 cell structure to measure the sticking amount.

2. The method for measuring a water absorption of the porous cell structure according to claim 1, wherein the particulate material is a compound of any one or two or  
15 more of a gas, a liquid, and a solid.

3. The method for measuring a water absorption of the porous cell structure according to claim 2, wherein the particulate material is a steam which is fed into the  
20 porous cell structure in a contained state in air to stick to the surface of the partition wall constituting the cell of the porous cell structure and the surface of the pore in the partition wall.

25 4. A method for measuring a water absorption of a porous cell structure as a standard for setting conditions for carrying a catalyst component, the method comprising

the steps of:

charging a liquid into a cell channel of the porous cell structure and a pore in a partition wall constituting the cell in advance;

5 subsequently discharging the charged liquid to the outside of the porous cell structure; and regarding an amount of the liquid sticking/remaining onto the surface of the partition wall and the surface of the pore in the partition wall as the 10 water absorption of the porous cell structure to measure the amount of the liquid.

5. A method for displaying information of water absorption of a porous cell structure, the method comprising the steps of:

measuring a water absorption of a porous cell structure according to a water absorption measuring method which comprises regarding an amount of a particulate material sticking to the surface of a partition wall constituting a cell of the porous cell structure and the surface of a pore in the partition wall as the water absorption of the porous cell structure to measure the sticking amount; and

displaying information on the water absorption and 25 a dry mass of the porous cell structure whose water absorption has been measured or information only on the water absorption on the surface of the porous cell

structure.

6. A method for displaying information of water absorption of a porous cell structure, the method comprising the steps of:

measuring a water absorption of a porous cell structure according to a water absorption measuring method which comprises charging a liquid into a cell channel of the porous cell structure and a pore in a partition wall constituting the cell in advance; subsequently discharging the charged liquid to the outside of the porous cell structure; and regarding an amount of the liquid sticking/remaining onto the surface of the partition wall and the surface of the pore in the partition wall as the water absorption of the porous cell structure to measure the amount of the liquid; and

displaying information on the water absorption and a dry mass of the porous cell structure whose water absorption has been measured or information only on the water absorption on the surface of the porous cell structure.

7. The method for displaying information of water absorption according to claim 5, wherein a display form of the information is a character.

8. The method for displaying information of water

absorption according to claim 6, wherein a display form of the information is a character.

9. The method for displaying information of water  
5 absorption according to claim 5, wherein a display form of the information is a bar code.

10. The method for displaying information of water absorption according to claim 6, wherein a display form of the information is a bar code.

11. The method for displaying information of water absorption according to claim 7, further comprising the steps of: displaying the information in ink.

15 12. The method for displaying information of water absorption according to claim 9, further comprising the steps of: displaying the information in ink.

20 13. The method for displaying information of water absorption according to claim 11, wherein the step of displaying the information in ink is an ink jet process or a thermal transfer process.

25 14. The method for displaying information of water absorption according to claim 12, wherein the step of displaying the information in ink is an ink jet process or

a thermal transfer process.

15. The method for displaying information of  
water absorption according to claim 7, further comprising  
5 the steps of: displaying the information by laser.

16. The method for displaying information of  
water absorption according to claim 9, further comprising  
the steps of: displaying the information by laser.

10

17. The method for displaying information of  
water absorption according to claim 7, further comprising  
the steps of: displaying the information by sand blast.

15

18. The method for displaying information of  
water absorption according to claim 9, further comprising  
the steps of: displaying the information by sand blast.

20

19. The method for displaying information of  
water absorption according to claim 7, further comprising  
the steps of the information by chemical corrosion.

25

20. The method for displaying information of  
water absorption according to claim 9, further comprising  
the steps of the information by chemical corrosion.

21. A method for carrying catalyst on a porous

cell structure, the method comprising the steps of:

reading information on a water absorption and a dry mass or information only on the water absorption displayed on the surface of the porous cell structure according to a water absorption information display method which comprises the steps of; measuring a water absorption of a porous cell structure in the water absorption measuring method which comprises regarding an amount of a particulate material sticking to the surface of a partition wall constituting a cell of the porous cell structure and the surface of a pore in the partition wall as the water absorption of the porous cell structure to measure the sticking amount, and displaying information on the water absorption and a dry mass of the porous cell structure whose water absorption has been measured or information only on the water absorption on the surface of the porous cell structure, and

adjusting carrying conditions of a catalyst component onto the porous cell structure by a wash coating process based on the information.

22. A method for carrying catalyst on a porous cell structure, the method comprising the steps of:

reading information on a water absorption and a dry mass or information only on the water absorption displayed on the surface of the porous cell structure according to a water absorption information display method

which comprises the steps of; measuring a water absorption  
of a porous cell structure in the water absorption  
measuring method which comprises charging a liquid into a  
cell channel of the porous cell structure and a pore in a  
partition wall constituting the cell in advance,  
subsequently discharging the charged liquid to the outside  
of the porous cell structure; and regarding an amount of  
the liquid sticking/remaining onto the surface of the  
partition wall and the surface of the pore in the partition  
wall as the water absorption of the porous cell structure  
to measure the amount of the liquid, and  
displaying information on the water absorption and  
a dry mass of the porous cell structure whose water  
absorption has been measured or information only on the  
water absorption on the surface of the porous cell  
structure.